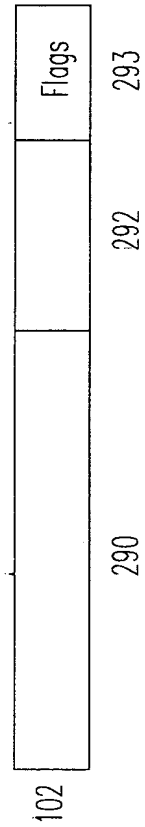
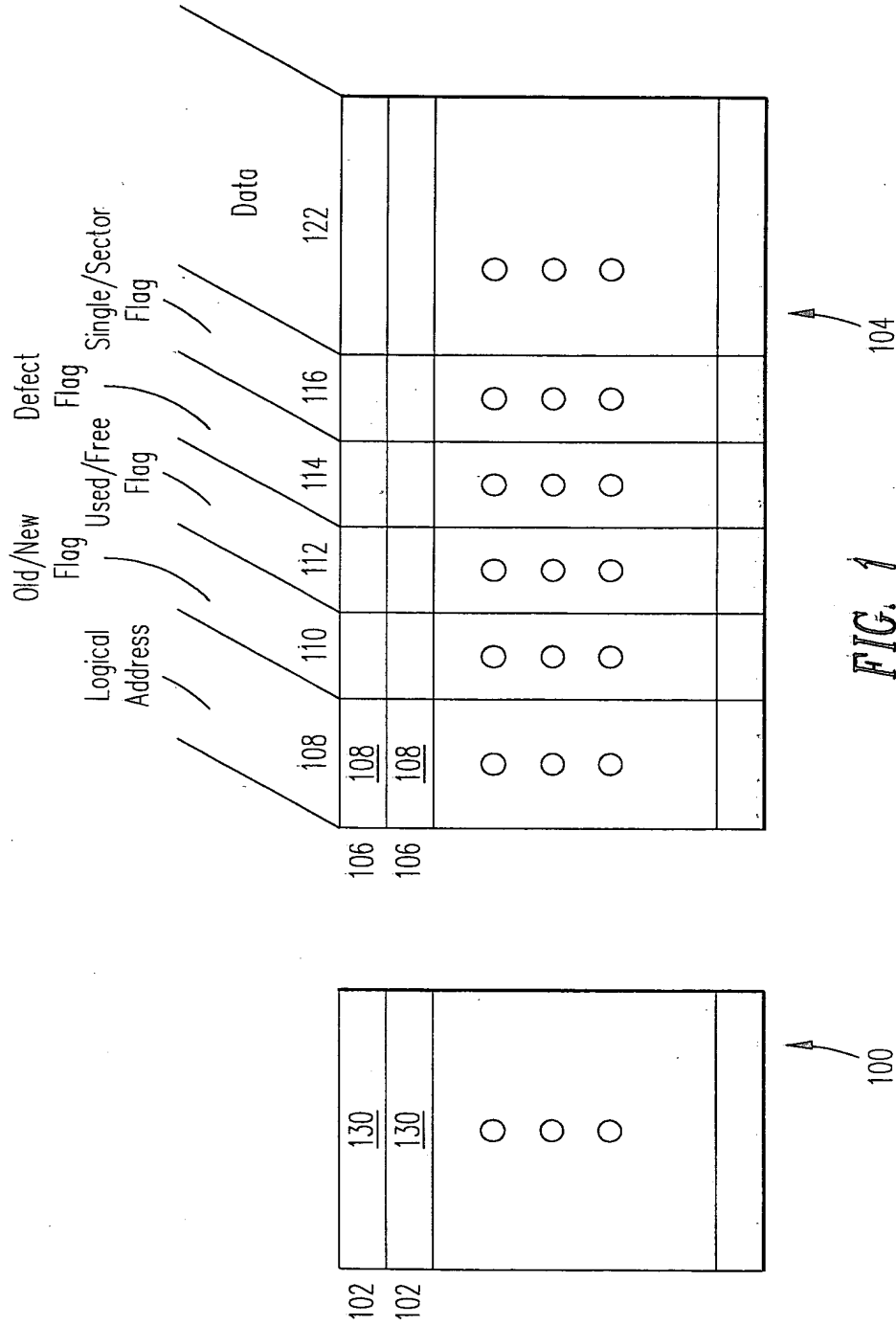


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1/19

001220-44502960



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

2/19

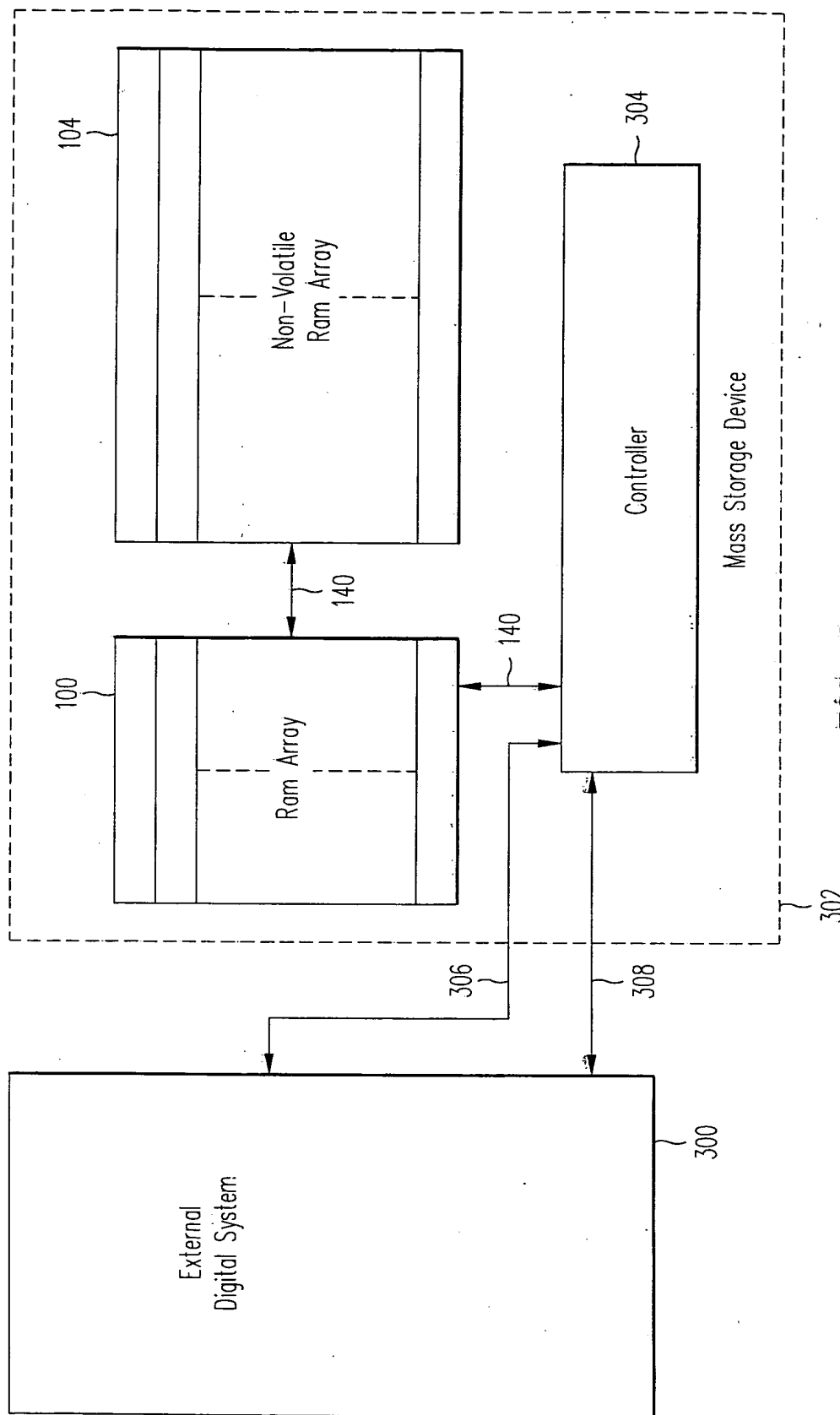


FIG. 3

001220" 44502950

3/19

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		0	0	0
1		0	0	0
2		0	0	0
3		0	0	0
4		0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 4

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		0	1	0
1		0	0	0
2		0	0	0
3	0	0	0	0
4		0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 5

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		0	1	0
1		0	1	0
2		0	0	0
3	0	0	0	0
4	1	0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 6

00620544-072100

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

4/19

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		1	1	0
1		0	1	0
2		0	1	0
3	2	0	0	0
4	1	0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 7

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		1	1	0
1		1	1	0
2		0	1	0
3	2	0	1	0
4	3	0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 8

00520544-02100

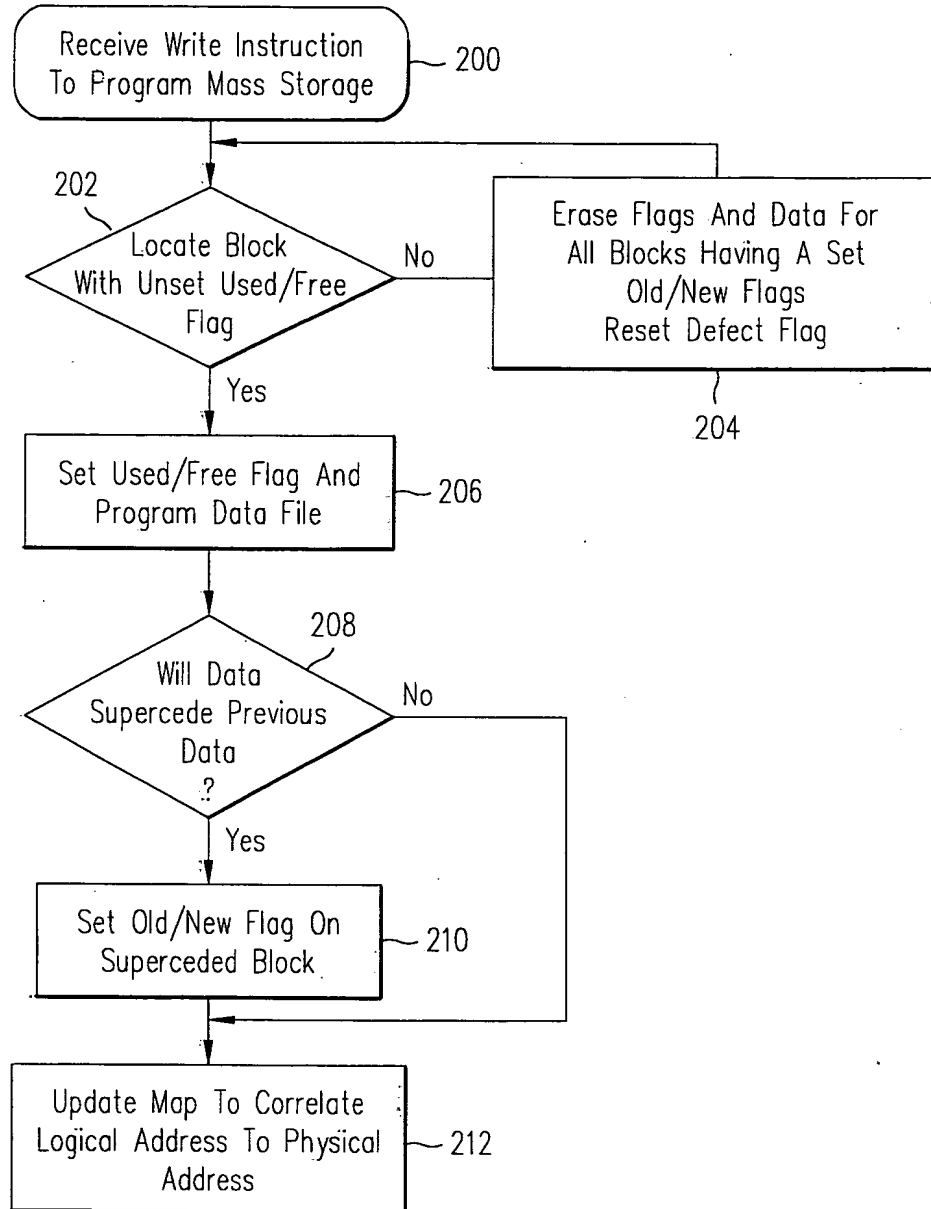


FIG. 9

00120-14502960



PBA/ LBA	702		730		704		732		706		734		708		736		710		738		712		740		714																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L

FIG. 11

700

700



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

9/19

001220" 44502360

PBA/ LBA	Host Write To LBA 0 Again				714															
	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	L	L	L	L	L	L	L	L	L	L	L	L	L	L
716 ~ 00	00	20	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30																				
724 ~ 40																				
726 ~ 50																				
:	:	:	:	:	:	:														
:	:	:	:	:	:	:														
:	:	:	:	:	:	:														
728 ~																				
N-1																				

FIG. 13

700

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

10/19

001220"44502960

PBA/ LBA	Host Write To LBA 0 Again															Detect Flag	Old Flag	Used Flag	Move Flag	MVPBA Blk Addr	VPBA Blk Addr	702
	730	704	732	706	734	708	710	738	744	712	740	714	714	714	714	714	714	714	714	714	714	714
716 ~ 00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
718 ~ 10	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
720 ~ 20	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
722 ~ 30	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
724 ~ 40																						
726 ~ 50																						
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
728 ~																						
N-1																						

FIG. 14

700

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

11/19

001220"44502960

PBA/ LBA	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	714														
							L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
716 ~ 00	00	20	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30																					
724 ~ 40																					
726 ~ 50																					
.	.	.	.	.	.	.															
.	.	.	.	.	.	.															
.	.	.	.	.	.	.															
728																					
N-1																					

Host Write To LBA 5

FIG. 15

700

12/19

001220"44502960

Host Write To LBA 0																											
PBA/ LBA	VPBA		MVPBA		Move		Used		Old		Defect		714														
	Blk Addr	Blk Addr	Blk Addr	Blk Addr	Flag	Flag	Flag	Flag	Flag	Flag	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
716 ~ 00	00	XX	XX	XX	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	XX	XX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20																											
722 ~ 30																											
724 ~ 40																											
726 ~ 50																											
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
728 ~																											
N-1																											

FIG. 16

700

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

[illegible]

**FIG. 17**

700

001220" 44502960

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

14/19

Host Write To LBA 5										714														
PBA/ LBA	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
716 ~ 00	00	10	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
724 ~ 40																								
726 ~ 50																								
⋮	⋮	⋮	⋮	⋮	⋮	⋮																		
728 ~																								
N-1																								

FIG. 18

700

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

15/19

001210" 44502960

PBA/ LBA	Host Write To LBA 0															Defect Flag	Old Flag	Used Flag	Move Flag	MVPBA Blk Addr	VPBA Blk Addr	
	702	730	732	734	746	742	744	L	L	L	L	L	L	L	L							
716 ~ 00	00	20	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20	XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30																						
724 ~ 40																						
726 ~ 50																						
.	:	:	:	:	:	:	:															
.	:	:	:	:	:	:	:															
.	:	:	:	:	:	:	:															
728 ~																						
N-1																						

FIG. 19

700

700



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

17/19

00T220" 44502960

PBA/ LBA	Host Writes To LBA 7										714														
	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	L	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
716 ~ 00	00	10	1	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0			
718 ~ 10	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
720 ~ 20							0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
722 ~ 30								0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
724 ~ 40																									
726 ~ 50																									
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
728 ~																									
N-1																									

FIG. 21

700



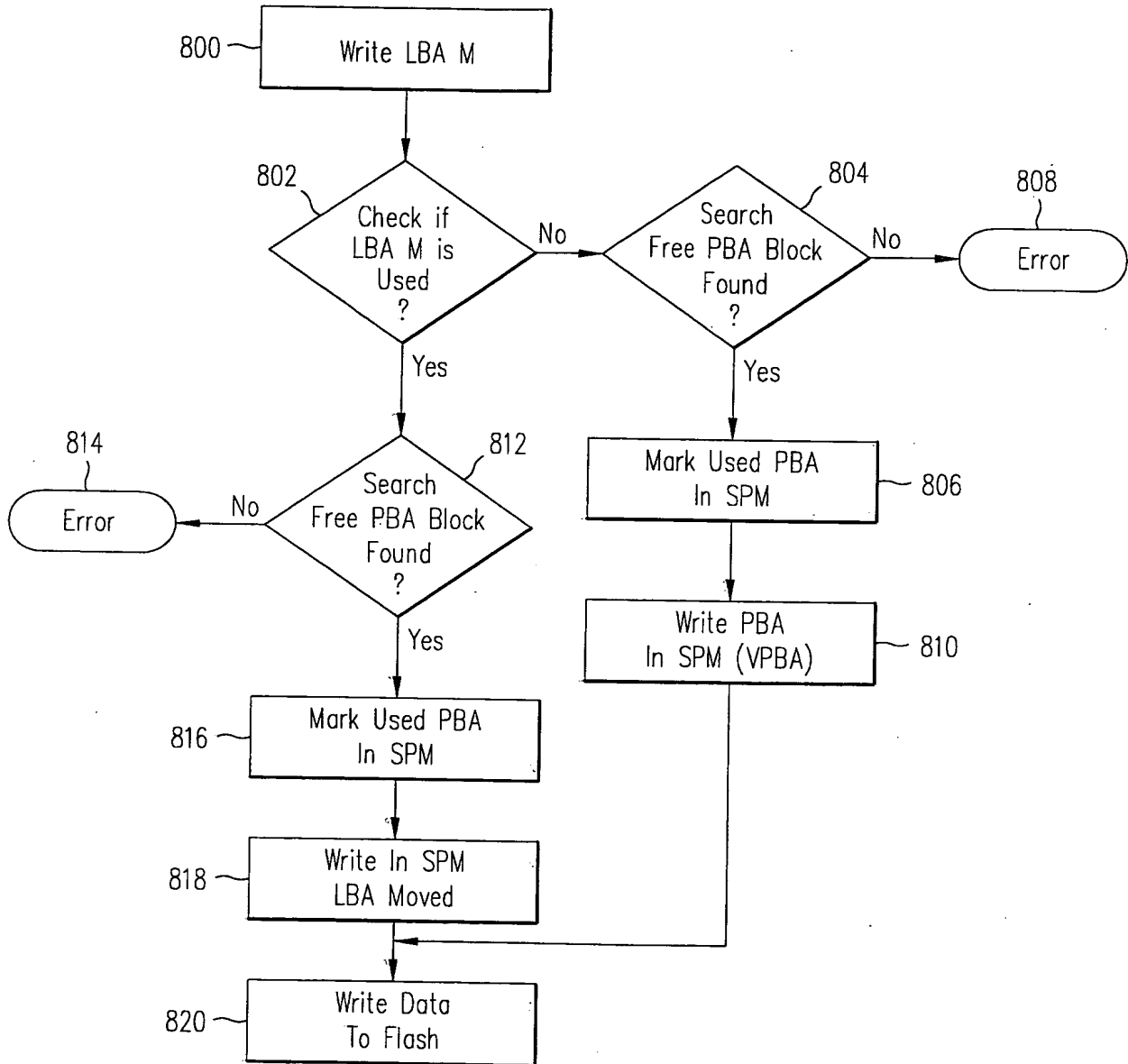


FIG. 23

001220"44502960